

"Its approximate ephemeris, with the last observations, are herewith enclosed.

"I have the honour to be,

"Respectfully, &c.,

"M. F. MAURY,

"Lieut. U.S.N."

"Rear-Admiral W. H. Smyth, R.N."

Ephemeris of Euphrosyne.

M. T. Washington.	α .	δ .
$^{\text{h}}$ $^{\text{m}}$ $^{\text{s}}$	$^{\text{h}}$ $^{\text{m}}$ $^{\text{s}}$	$^{\circ}$ $'$ $''$
1854, Oct. 19. 9 23 41.9	1 12 15.11	-1 56 7.21

Elements of Euphrosyne, computed by Prof. Keith, from observations of Sept. 2nd, 6th and 10th.

M. 13° 36' 33.3	Sept. 2.721	M. T. Greenwich.
Π 352 5 50.6	M. Equ. 1854 0.	
Λ 33 29 21.7		
i 22 39 13.6		
ϕ 4 22 30.2		
$\log \alpha$ 0.469530		
$\log \mu$ 2.845712		

Ephemeris for October.

M. T. Berlin.	α .	δ .	$\log r$.	$\log \Delta$.
$^{\text{h}}$ $^{\text{m}}$ $^{\text{s}}$	$^{\circ}$ $'$ $''$	$^{\circ}$ $'$ $''$		
1854, Oct. 19.5	1 12 0	1 59 21	0.43828	0.24622
23.5	1 7 49	1 47 29	0.43850	0.24937
27.5	1 3 49	1 33 49	0.43873	0.25345
31.5	1 0 3	1 18 18	0.43897	0.25861

II. Letter from W. GRAVATT, Esq., F.R.S., to Col. SABINE, Treas. R.S.

The writer announced the arrival in London of the Swedish Calculating Machine constructed by Mr. SCHEUTZ.